

Attorney Docket No.: 016285-43.00US
Client Ref. No.: 03/ENG/160

PTO/SB/01A (08-03)

Approved for use through 06/30/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	BLOCK-BASED FRAGMENT FILTRATION WITH FEASIBLE MULTI-GPU ACCELERATION FOR REAL-TIME VOLUME RENDERING ON CONVENTIONAL PERSONAL COMPUTER
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As the below named inventor(s), I/we declare that:

This declaration is directed to:

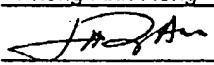
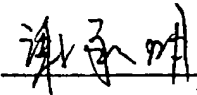
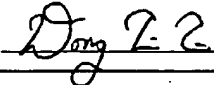
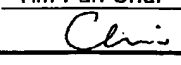
- ☒ The attached application, or
☐ Application No. , filed on ,
☐ as amended on _____ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR(S)			
Inventor 1	<u>Pheng-Ann Heng</u>	Date:	<u>6. April. 2004</u>
Signature:	<u></u>	Citizen of:	<u>Singapore</u>
Inventor 2	<u>Yongming Xie</u>	Date:	<u>2006.04.06</u>
Signature:	<u></u>	Citizen of:	<u>Peoples Republic of China</u>
Inventor 3	<u>Tien-Tsin Wong</u>	Date:	<u>6 April 2004</u>
Signature:	<u></u>	Citizen of:	<u>Hong Kong</u>
Inventor 4	<u>Yim-Pan Chui</u>	Date:	<u>6 April 2004</u>
Signature:	<u></u>	Citizen of:	<u>British National (Overseas)</u>

☐ Additional inventors are being named on additional form(s) attached hereto.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

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POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM	Application Number	Unassigned
	Filing Date	Herewith
	First Named Inventor	Heng, Pheng-Ann et al.
	Title	Block-Based Fragment Filtration With Feasible Multi-Gpu Acceleration For Real-Time Volume Rendering On Conventional Personal Computer
	Art Unit	Unassigned
	Examiner Name	Unassigned
	Attorney Docket Number	016285-43.00US

I hereby appoint:

☒ Practitioners associated with the Customer Number

20350

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

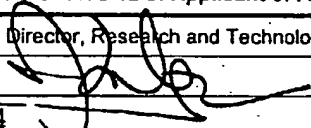
☐ The address associated with Customer Number:

<input type="checkbox"/> Firm or Individual Name					
Address					
Address					
City		State		ZIP	
Country					
Telephone		Fax			

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Ngan, Alice Man Wai, Director, Research and Technology Administration Office		
Signature			
Date	13 April 2004	Telephone	852-2609 8883

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ *Total of forms are submitted.

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This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Pheng Ann Heng et al.

Application No./Patent No.: _____ Filed/Issue Date: Herewith

Entitled: BLOCK-BASED FRAGMENT FILTRATION WITH FEASIBLE MULTI-GPU ACCELERATION FOR REAL-TIME VOLUME RENDERING ON CONVENTIONAL PERSONAL COMPUTER

The Chinese University of Hong Kong, a University

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

13 April 2004

Date

852-2609 8883

Telephone number

Ngan, Alice Man Wai

Typed or printed name

[Signature]
Signature

Director, Research and Technology
Administration Office

Title

Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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